



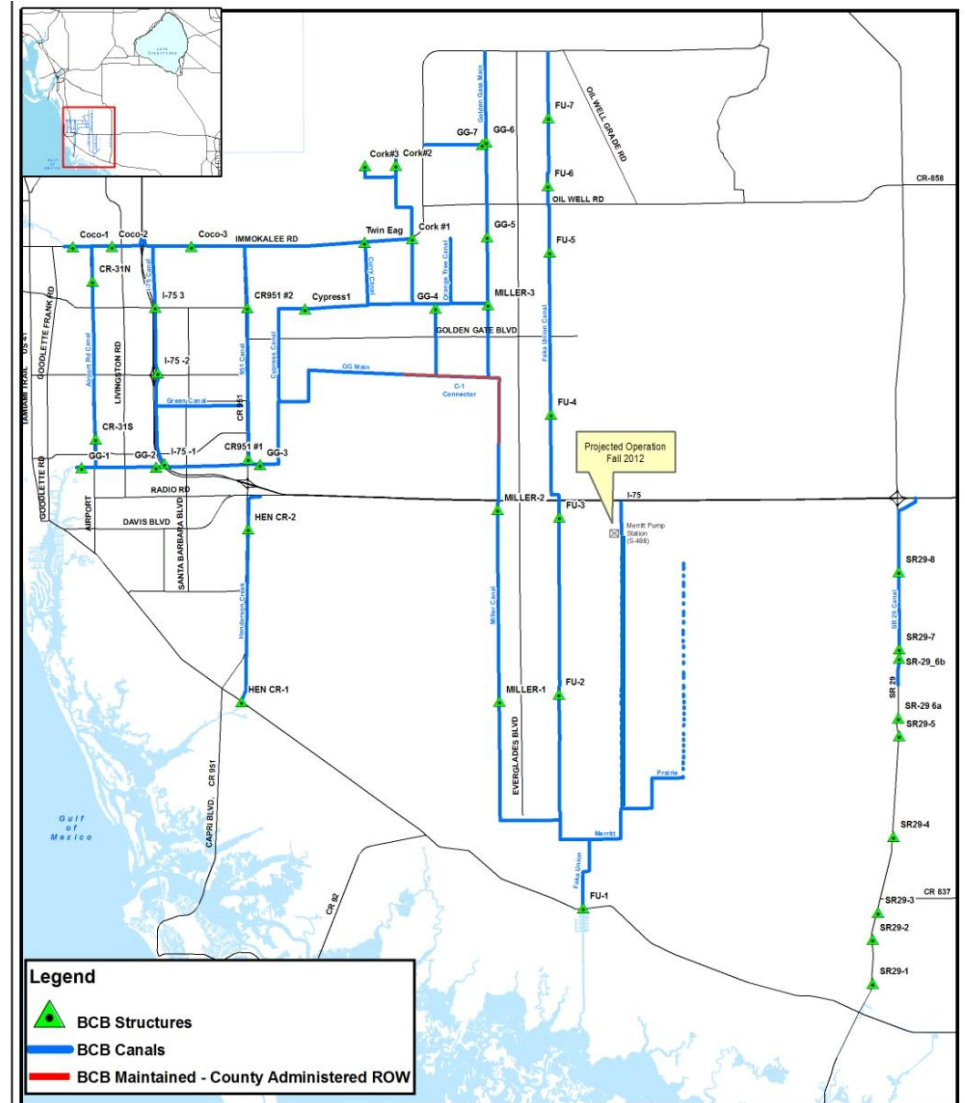
Big Cypress Basin O&M Overview

**Chris Doherty, Superintendent
July 6, 2012**

Works of the Basin

- 162 Miles of Canals
- 46 Water Control Structures
- 3 Back-pumping stations.
- 15 Field Station Personnel

These numbers will change as we add pump stations, remove structures and fill in canals



O&M Work Functions

- **Structure & Facility Maintenance – 4 FTE**
- **Canal Maintenance – 5 FTE**
- **Fleet Maintenance – 1 FTE**
- **Pump Station Construction & Startup – 2 FTE**
- **Water Management, Supervision, Support – 3 FTE**
- **FY 12 O&M Budget – \$2.092 M**



Structure Maintenance – Coco 1



Structure Maintenance – I 75 #1



Structure Maintenance – Miller #3



Structure Maintenance – Faka Union Canal #2



Operation of Water Control Structures

Structure Types:

- Fixed Crest Weirs with manually operated gates
- Mechanically Operated Gates
- Electrically Operated Gates
- Automated Gates

We do not have capability to operate gates remotely, but can monitor stages and some gate positions real-time by telemetry.



Canal Maintenance

- **Repair of Banks**
- **Shoal Removal**
- **Mowing of bank slopes and Rights-of-Ways**
- **Tree Removal**



Canal Maintenance – Vegetation Management

- **Aquatic Herbicide Applications**
- **Terrestrial Herbicide Application**
- **Mechanical Harvesting of aquatic weeds**



Fleet Maintenance



16 vehicles
5 boats
5 pieces heavy equipment



EMERGENCY RESPONSE READINESS

May 4th, 2012 – O&M Staff participated in an ICS Tabletop Exercise

June 5th & 6th, 2012 – O&M Staff participated in the annual Hurricane Freddy exercise.



New PSRP Pump Stations, Weirs, Levees

- **Merritt - FY13**
 - 810 CFS pumps
 - 9 Weirs (Flow Distribution and Energy Dissipation)
- **Faka Union - FY14**
 - 2650 CFS
 - 20 Weirs
- **Miller – FY16**
 - 1250 CFS

~11.5 miles of Berms and Levees



Looking Ahead

- **Comprehensive Vegetation Management**
- **Miller Canal conveyance at 28th Avenue**
- **Compact Utility Boat**
- **Coordinate District Structure Inspection Program**
- **Fall Protection upgrades**
- **Ongoing Safety Training**
- **Additional Pump Station Personnel**
- **Commission PSRP Merritt Pump Station**

QUESTIONS ?

